

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03/31/2022

Revision Date: 11/11/2024

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Etch-2-Bond

## Etch-2-Bond By CMM

### SECTION 1: Identification

#### Product Identifier

**Product Name:** Etch-2-Bond Spray-On Etching Compound



#### Recommended Use of the Product and Restriction on Use

**Relevant Identified Uses:** Concrete Moisture Mitigation Product.

**Uses Advised Against:** Any use other than recommended above.

**Reasons Why Uses Advised Against:** Not determined or not applicable.

#### Manufacturer or Supplier Details

##### Manufacturer:

##### United States

Concrete Moisture Mitigation, Inc.

7402 North 56th Street, Suite 355, Tampa FL, 33617, USA

[656]225-3330

Info@Concretemm.com

#### Emergency Telephone Number:

##### United States

Chemtrec

+1-800-424-9300 [24 hours]

+1-703-527-3887 [24 hours]

### SECTION 2: Hazard(s) Identification

#### GHS Classification:

Skin corrosion, category 1

Serious eye damage, category 1

#### Label Elements

##### Hazard Pictograms:



**Signal Word:** Danger

#### Hazard statements:

H318 Causes serious eye damage.

H314 Causes severe skin burns and eye injury.

#### Precautionary Statements and Safety Measures:

P280 Wear protective protective clothing, gloves, eye protection, and face protection.

P260 Avoid inhaling fumes, dust, mist, gas, vapors, or spray.

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P264 Thoroughly wash hands, face, and any exposed skin after product handling.

P301+P330+P331 In case of INGESTION: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 In case of SKIN EXPOSURE (or hair): Promptly remove all contaminated clothing. Rinse skin under a shower.

P305+P351+P338 In case of EYE EXPOSURE: Rinse cautiously with water for several minutes. Remove contact lenses, if applicable and easy to do. Continue rinsing.

P310 Immediately contact a POISON CENTER or a medical professional.

P304+P340 If INHALED: Relocate affected individual(s) to fresh air and keep individual(s) at rest in a comfortable breathing position.

P363 Launder contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of both the contents and containers in accordance with international, national, regional, and local regulations.

**Hazards Not Otherwise Classified:** None

## SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 506-89-8	Urea Hydrochloride	5-20

### Supplementary Data:

The precise chemical identity and/or precise percentages (concentration) of the composition have been retained as a confidential trade secret, in accordance with the provisions of paragraph (i) of the OSHA Hazard Communication Standard [29 CFR §1910.1200].

## SECTION 4: First Aid Measures

### Description of First Aid Measures

#### General Recommendations:

Provide this Safety Data Sheet (SDS) to the attending medical professional.

#### Post-Inhalation Measures:

Not determined or not applicable.

#### Post-Skin Exposure:

Seek urgent medical treatment. Immediate treatment is required. Remove contaminated clothing and footwear. Rinse the affected skin thoroughly with copious amounts of water (shower) for an extended duration. Launder contaminated clothing before reuse.

#### Post-Eye Exposure:

Immediately flush the eyes with plenty of lukewarm water flowing gently for a duration of 15 minutes. Remove contact lenses if they are present and can be removed easily. Protect the unaffected eye. Seek immediate medical attention, preferably from an ophthalmologist.

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### Post-Ingestion:

In the event of ingestion, DO NOT induce vomiting unless instructed to do so by poison control center or a physician. Rinse the mouth with water. Do not administer anything by mouth to an unconscious individual. If spontaneous vomiting occurs, place the individual on their left side with their head lowered to prevent liquid aspiration into the lungs. Seek immediate medical attention.

### Most Important Symptoms and Effects, Both Acute and Delayed

#### Acute Symptoms and Effects:

Exposure to the skin may result in burning, redness, pain, inflammation, and tissue damage. Eye exposure may result in irritation, itching, pain, inflammation, redness, burning, and tearing. Inhalation exposure may result in a sore throat, coughing, a burning sensation, breathing difficulties, or shortness of breath. Exposure via ingestion may cause mouth and throat burns, a burning sensation in the throat and chest, shock, abdominal pain, nausea, vomiting, or collapse.

#### Delayed Symptoms and Effects:

Reactions vary based on exposure [concentration, dose, contact time].

### Immediate Medical Attention and Special Treatment

#### Specific Treatment:

- For eye contact, seek immediate medical attention while continuing the rinsing process.
- For skin contact, seek immediate medical attention while continuing the rinsing process.
- In the case of ingestion, seek immediate medical attention.

#### Notes For Doctor:

Treat symptomatically.

## SECTION 5: Firefighting Measures

### Fire Suppression Details

#### Recommended Fire Suppressants:

Dry chemical or alcohol-resistant foam, water mist/fog, carbon dioxide.

#### Non-Recommended Fire Suppressants:

Direct water streams/jets should not be used.

### Specific Hazards During Fire-Fighting:

Under extreme heat, closed containers may rupture or explode. Thermal decomposition may generate toxic and irritating fumes, such as carbon oxides, nitrogen oxides, and hydrogen chloride.

### Special Protective Equipment for Firefighters:

Firefighters should wear appropriate protective gear and self-contained breathing apparatus (SCBA) equipped with a full-face mask operating in positive pressure mode.

### Special Precautions:

Prevent skin, eye, hair, and clothing contact. Avoid inhaling fumes, gasses, mists, aerosols, vapors, or dust. If safe, relocate containers away from the fire zone. Use water spray/fog to cool containers exposed to fire. Minimize runoff of extinguishing agents to prevent environmental contamination.

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### SECTION 6: Accidental Release Measures

#### Personal Precautions, Emergency Procedures, and Protective Equipment:

Not determined or not applicable.

#### Environmental Precautions:

If safe to do so, take measures to prevent any further leakage or spillage. Prevent the substance from entering drains, sewers, or waterways. Discharge into the environment must be avoided.

#### Methods and Material for Containment and Cleanup:

Avoid direct contact with damaged containers or spilled material unless equipped with appropriate personal protective equipment (PPE). Do not inhale any dust, mist, fumes, vapors, or spray. If it can be done without risk, stop the leak. Contain and collect spilled material and place it into a suitable, properly labeled, and sealable container for subsequent disposal. Small spills can be addressed using absorbent materials, while larger spills should be contained to prevent environmental or sewer runoff. Dispose of the collected materials in compliance with all applicable regulations [refer to *Section 13*].

#### Reference to Other Sections:

For guidance on personal protective equipment (PPE), refer to *Section 8*. For disposal instructions, refer to *Section 13*.

### SECTION 7: Handling and Storage

#### Precautions for Safe Handling:

Use appropriate personal protective equipment (PPE) as detailed in *Section 8*. Prevent skin contact and avoid eye contact. Ensure adequate ventilation during use. Do not add water to the corrosive product. If necessary, combine the corrosive product to cold water slowly, in small increments, while stirring frequently. Avoid inhaling mist, vapor, spray, or dust. Do not consume food or beverages, smoke, or use personal products while handling chemical substances. Thoroughly wash affected areas after handling. Keep away from incompatible materials that may react adversely [refer to *Section 10*]. Keep containers tightly sealed when not in use. Only store product in original packaging.

#### Conditions for Safe Storage, Including Any Incompatibilities:

Store the product in a cool, dry, well-ventilated area, away from direct sunlight and emergency evacuation routes. Store in corrosion-resistant containers with resistant inner liners for storage. Regularly inspect containers and the storage area for signs of leaks or damage. Store containers at an accessible height, preferably below eye level, to minimize the risk of container falls, personal injuries, and exposure. Ensure that appropriate firefighting and spill cleanup equipment is readily available. Store away from food and beverages. Protect against freezing and physical damage. Store away from heat, open flames, and other ignition sources. Store separately. Keep containers tightly sealed, and store separately from materials that may react adversely [refer to *Section 10*].

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### SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

#### Occupational Exposure Limit Values:

There are no specified occupational exposure limits for the noted ingredient(s).

#### Biological Limit Values:

There are no specified biological exposure limits for the noted ingredient(s).

#### Information on Monitoring Procedures:

Not determined or not applicable.

#### Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in close proximity to areas of handling or use. Ensure good ventilation to keep airborne concentrations of mists, vapors, and/or dusts below recognized workplace exposure limits, in line with national standards [or equivalent].

#### Personal Protection Equipment (PPE)

##### Eye and Face Protection:

Use safety glasses with side protection or protective goggles. When there's potential for splashes, consider using a face shield. Ensure eye safety gear meets national standards or equivalent.

##### Skin and Body Protection:

Select chemical-resistant, impermeable gloves approved by the appropriate standards. Inspect gloves before use and periodically during use to ensure they retain their protective properties, following the glove manufacturer's specifications. It's important to note that the breakthrough time for glove materials may vary among different manufacturers. When dealing with mixtures of multiple substances, it is not possible to accurately estimate the protection duration of gloves. Avoid skin contact with used gloves and employ appropriate methods for removing used gloves and contaminated clothing. Wear full-body protection. The choice of personal protective equipment for the body should be determined based on the specific task and associated risks and should get approval from a specialist before handling the product. Ensure that all personal protective equipment meets nationally recognized standards or their equivalents.

##### Respiratory Protection:

If engineering controls cannot maintain airborne concentrations below relevant workplace exposure limits or at an acceptable level (if exposure limits are not defined), individuals must wear a respirator that complies with nationally recognized standards or their equivalents.

#### General Hygienic Measures:

When dealing with chemical substances, refrain from eating, drinking, or smoking. Always clean your hands after use, prior to breaks, and when the workday ends. Avoid skin, eye, and clothing exposure. Launder any contaminated clothes before reuse. Perform routine housekeeping.

### SECTION 9: Physical and Chemical Properties

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### Information on Basic Physical and Chemical Properties:

Appearance	Translucent yellow, liquid.
Odor	Slight
Odor Threshold	Not determined or not available.
pH	Not determined or not available.
Melting Point/Freezing Point	Not determined or not available.
Initial Boiling Point/Range	100 °C (212 °F)
Flash Point (Closed Cup)	Not determined or not available.
Evaporation Rate	Not determined or not available.
Flammability (Solid, Gas)	Not determined or not available.
Upper Flammability/Explosive Limit	Not determined or not available.
Lower Flammability/Explosive Limit	Not determined or not available.
Vapor Pressure	Not determined or not available.
Vapor Density	Not determined or not available.
Density	Not determined or not available.
Relative Density	Not determined or not available.
Solubilities	Not determined or not available.
Partition Coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-Ignition Temperature	Not determined or not available.
Decomposition Temperature	Not determined or not available.
Dynamic Viscosity	Not determined or not available.
Kinematic Viscosity	Not determined or not available.
Explosive Properties	Not determined or not available.
Oxidizing Properties	Not determined or not available.

## SECTION 10: Stability and Reactivity

### Reactivity:

Does not exhibit reactivity concerns when handled and stored as recommended.

### Chemical Stability:

Maintains its stability when handled and stored according to the recommended guidelines.

### Possibility of Hazardous Reactions:

No expectation of hazardous reactions when the substance is handled and stored as recommended.

### Conditions to Avoid:

Avoid the creation of aerosols and mists. Avoid exposure to extreme heat, open flames, hot surfaces, sparks, sources of ignition, and materials that are incompatible.

### Incompatible Materials:

Bases; Strong Oxidizing Agents; Alkalis

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### Hazardous Decomposition Products:

Under standard storage and usage conditions, the substance should not produce hazardous decomposition products.

## SECTION 11: Toxicological Information

### Acute Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

### Skin Corrosion/Irritation

**Assessment:** Causes severe skin burns and eye damage.

**Product Data:** No data available.

**Substance Data:**

Name	Result
Urea Hydrochloride	Causes skin irritation.

### Serious Eye Damage/Irritation

**Assessment:** Causes serious eye damage.

**Product Data:** No data available.

**Substance Data:**

Name	Result
Urea Hydrochloride	Causes serious eye irritation.

### Respiratory or Skin Sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

**OSHA Carcinogens:** Not applicable.

### Germ Cell Mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

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### Reproductive Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

### Specific Target Organ Toxicity (Single Exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:**

Name	Result
Urea Hydrochloride	May cause respiratory irritation.

### Specific Target Organ Toxicity (Repeated Exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

### Aspiration Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

### Information on Likely Routes of Exposure:

Inhalation; Ingestion; Skin Contact; Eye Contact

### Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

Refer to *Section 4* of this SDS.

### Other Information:

No data available.

## SECTION 12: Ecological Information

### Acute (Short-Term) Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

### Chronic (Long-Term) Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product Data:** No data available.

**Substance Data:** No data available.

### Persistence and Degradability

**Product Data:** No data available.

**Substance Data:** No data available.

### Bioaccumulative Potential

**Product Data:** No data available.

**Substance Data:**



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Name	Result
Urea Hydrochloride	Accumulation in organisms is not to be expected [BCF: 1.20].

### Mobility in Soil

**Product Data:** No data available.

**Substance Data:**

Name	Result
Urea Hydrochloride	This substance is highly mobile; therefore, adsorption to soil is not expected [Koc: 1.42 L/kg].

### Results of PBT and vPvB Assessment

**Product Data:**

**PBT Assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB Assessment:** This product does not contain any substances that are assessed to be a vPvB.

**Substance Data:**

**PBT Assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB Assessment:** This product does not contain any substances that are assessed to be a vPvB.

**Other Information:** No data available.

## SECTION 13: Disposal Considerations

### Disposal Methods:


The waste generator is responsible for correctly characterizing all waste materials in accordance with relevant regulatory agencies.

### Contaminated Packages:

Not determined or not applicable.

## SECTION 14: Transport Information

### United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	3265
UN Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., [Urea Hydrochloride]
UN Transport Hazard Class(es)	8 
Packing Group	III
Environmental Hazards	None
Special Precautions for User	None

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Passenger Air/Rail	5 L
Cargo Aircraft Only	60 L
Stowage Category	A

### International Maritime Dangerous Goods (IMDG)

UN Number	3265
UN Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Urea Hydrochloride)
UN Transport Hazard Class(es)	8 
Packing Group	III
Environmental Hazards	None
Special Precautions for User	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	3265
UN Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Urea Hydrochloride)
UN Transport Hazard Class(es)	8 
Packing Group	III
Environmental Hazards	None
Special Precautions for User	None
ERG Code	8 L
Passenger and Cargo	5 L
Cargo Aircraft Only	60 L

## SECTION 15: Regulatory Information

### United States Regulations

**Inventory Listing (TSCA):** All ingredients are listed-active or exempt.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export Notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 Extremely Hazardous Substances:** None of the ingredients are listed.

**SARA Section 313 Toxic Chemicals:** None of the ingredients are listed.

**CERCLA:** None of the ingredients are listed.

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

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**Massachusetts Right to Know:** None of the ingredients are listed.

**New Jersey Right to Know:** None of the ingredients are listed.

**New York Right to Know:** None of the ingredients are listed.

**Pennsylvania Right to Know:** None of the ingredients are listed.

**California Proposition 65:**

**⚠ WARNING:** This product can expose you to Formaldehyde; which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Additional information:** Not determined.

## SECTION 16: Other Information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product's classification adheres to OSHA HCS 2012 guidelines. The information presented in this Safety Data Sheet (SDS) is accurate, to the best of our knowledge, based on available information. It is intended solely as guidance for the safe handling, usage, storage, transportation, and disposal of the product and should not be considered a warranty or quality specification. The information pertains exclusively to the specific material identified and may not be applicable to its use in combination with other materials, unless specifically mentioned in the text. The obligation and responsibility to provide and ensure a safe work environment remains with the end user or employer.

**NFPA:** 2-1-1

**HMIS:** 2-1-1

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## End of Safety Data Sheet

**Contact Us For More Information**

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